

Focus Report
New Chemicals Program
PMN Number: **P-11-0158**

Focus Date: 01/27/2011 12:00:00 AM Report Status: Completed
Consolidated Set:
Focus Chair: Geraldine Hilton Contractor: Christina Stanley

I. Notice Information

Submitter: CAS Number:
Chemical Name:
Use:

Other Uses:

PV-Max:
Manufacture: X Import:

II. SAT Results

(1) Health Rating: 1 Eco Rating: 1 Comments: ;

Occupational: Non-Occupational: Environmental:

(1) PBT: 1 1 Comments:

III. OTHER FACTORS

Categories:

Health Chemical Category: Ecotox Category: aliphatic amines

Related Cases/Regulatory History:

Health related Cases:

Ecotox Related Cases: Analogs:

Regulatory History:

CRSS P2Rec: P2Rec-P2 Recognition; SF-Sustainable Futures; XL-Excellence and Leadership; YX-Exposure-Based 5(e)

MSDS/Label Information:

MSDS:

Exposure Based Information:

Exposure Based Review: Y

Exposure Based Review (Eco): N

Exposure Based Review

(Non Occupational):

Exposure Based Review (Health): N

Exposure Based (Occupational): No

Exposure Based (Environmental):

IV. Summary of SAT Assessment

Fate:

Fate Summary: P-11-0158 = T-11-0006

FATE: Estimations for neutralized cation MW

log Fish BCF = 2.02 (E)
log Fish BAF = 1.38 (E)

POTW removal (%) = 90 via sorption and biodeg
Time for complete ultimate aerobic biodeg = wk
Sorption to soils/sediments = v.strong
PBT Potential: P1B1
*CEB FATE: Migration to ground water = negl

Health:

Health Summary:

Not absorbed through the skin, poor absorption from the GI tract; moderate absorption from the lung (analog). No significant health concerns.

Ecotox:

Ecotox Values:

Fish 96-h LC50:	*(P)
Daphnid 48-h LC50:	*(P)
Green algal 96-h EC50:	*(P)
Fish Chronic Value:	*(P)
Daphnid ChV:	*(P)
Algal ChV:	*(P)

Ecotox values comments: Predictions are based on SARs for aliphatic amines; SAR chemical class = aliphatic amine; MW [REDACTED]; [REDACTED]; S < 0.001 mg/L at 20 °C (P); pH7; effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <150.0 mg/L as CaCO₃; and TOC <2.0 mg/L;

Ecotox Factors:

Assessment Factor: 10
Concern Concentration:

V. Summary of Exposures/Releases

Engineering Summary:

Exposures/Releases			
Scenario			
Sites			
Media			
Descriptor A			
Quantity A (kg/site/day)			
Frequency A (day/year)			
Descriptor B			
Quantity B (kg/site/day)			
Frequency B (day/year)			
From			
Workers			
Exposure Type			

VI. Focus Decision and Rationale

Regulatory Actions

Regulatory Decision: PMN Drop with P2 Letter

Decision Date: 01/27/2011

Type of Decision:

Rationale:

P11-0158 was dropped from further review. Human health and ecotoxicity concerns were low. This was a CEB D1 drop. This case is related to [REDACTED] which was granted.

P2 Rec Comments:

P2 recommendation: This case was nominated for P2 rec the TME substance will be used in the Oil Field as an [REDACTED]

[REDACTED]

The Focus Participants decided to forward this recommendation.

Testing:

Final Recommended:

Health:

Eco:

Fate:

Other:

SAT Report

PMN Number: **P-11-0158**

SAT Date: **1/21/2011**

Print Date: **3/13/2015**

Related cases:

Health related cases:

Ecotox related cases: Analogs: P-

Concern levels:

Type of Concern:	<u>Health</u>	<u>Eco</u>	<u>Comments</u>
Level of Concern:	1	1	

<u>Persistence</u>	<u>Bioaccum</u>	<u>Toxicity</u>	<u>Comments</u>
1	1	1	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	
		Awaiting	
		Human Health	
		Entry	

Exposure Based Review:

Health: No

Ecotox: No

Routes of exposure:

Health: No exposures needed

Ecotox: No releases to water

Fate: ;

Keywords:

Keywords:

Summary of Assessment:

Fate:

Fate Summary: P-11-0158

FATE: Estimations for

log Kow = 10.1 (E)

log Koc = 6.93 (E)

log Fish BCF = 2.02 (E)

log Fish BAF = 1.38 (E)

PMN Substance: [REDACTED]

POTW removal (%) = 90 via sorption and biodeg

Time for complete ultimate aerobic biodeg = wk

Sorption to soils/sediments = v.strong

PBT Potential: P1B1

*CEB FATE: Migration to ground water = negl

Health:

Health Summary: Not absorbed through the skin, poor absorption from the GI tract; moderate absorption from the lung (analog). No significant health concerns.

Ecotox:

Test Organism	Test Type	Test End Point	Predicted	Measured	Comments
fish	96-h	LC50	*		
daphnid	48-h	LC50	*		
green algal	96-h	EC50	*		
fish	—	chronic value	*		
daphnid	—	chronic value	*		
algal	—	chronic value	*		
Sewage Sludge	3-h	EC50	—		
Sewage Sludge	—	Chronic Value	—		

Ecotox Values Comments:

Factors	Values	Comments
Assessment Factor	10	
Concentration of Concern (ppb)		*
SARs	aliphatic amines	
SAR Class	aliphatic amine	
Ecotox Category		

Ecotox Factors Comments:

SAT Chair: L Keifer 564-8916